

Notice of some new Corals from Madeira discovered by J. Y. Johnson, Esq. By Dr. J. E. GRAY, F.R.S. &c.

Mr. James Yate Johnson of Madeira having kindly sent me some Corals from that island, I herewith send you the following short notice of some specimens which do not appear to have been heretofore inscribed in the Catalogues.

### 1. *Corallium Johnsonii*.

Coral branched, subflabelliform. Branches nearly simple, subparallel, flexuose, with a few very short ascending branches scattered on the sides of the upper surface. Bark yellow, granular, with three or four rows of rather convex polype-cells on the upper surface of the branches only. Axis white.

*Hab.* Madeira.

This Coral is at once known from *Corallium rubrum* on account of its polypes being placed only on one side of the stem, as is the case with *Corallium secundum* of Dana from the Sandwich Islands; but it is easily distinguished from the latter by the colour of the bark and axis, and the thick, elongated, subsimple, subparallel branches.

### 2. *Antipathes (Cirripathes) setacea*.

Coral simple, elongate, setaceous, straight, erect, closely covered with short conical spinules. Length 18 inches.

*Hab.* Madeira.

We have recently received from Mr. Edwin Todd, from Turk's Island in the West Indies, a specimen of *Antipathes* which differs from the former only in being rather more slender and very much more elongate, being more than 9 feet in length. It may be a distinct species, for the spinules appear to be rather closer and smaller; but I am rather inclined to regard it, for the present, as a variety of the above, and it may be called var.  $\beta$ . *occidentalis*.

Both specimens are at once known from *Antipathes spiralis* by their slenderness, the abundance of the spinules, and their being straight, without the slightest tendency to assume a spiral form.

### 3. *Antipathes gracilis*.

Coral rather fan-like, expanded, very slender, repeatedly forked. Branches very slender, elongate, subsimple, tapering; stem and branches covered with very close, rather elongated spinules.

*Hab.* Madeira.

The Coral about 6 inches high, rather fan-like, on a single plane; the stem slender, about as thick as a thick bristle, subalternately branched, with the rows of branches on the outer side, giving them the appearance of being forked; the branches and branchlets elongate, very slender and subsimple, and gradually tapering till they are quite hair-like.